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Study build station data: LMS TV 2018-03-31 (46)

Proposal: WDTO-LD D5 (D2) LD LIC ORLANDO, FL
File number: BLDLTL20130802ABO
Facility ID: 10550
Station data: User record
Record ID: 1099
Country: U.S.

Build options:

Protect pre-transition records not on baseline channel
Protect baseline records from LPTV

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WRUF-LD	D5	LD	LIC	GAINESVILLE, FL	BLDVL20100721FSQ	179.2 km
No	W05CO	N5z	TX	LIC	SARASOTA, FL	BLTVL20050412AEI	194.8

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D5
Mask: Full Service
Latitude: 28 34 51.90 N (NAD83)
Longitude: 81 4 31.20 W
Height AMSL: 185.0 m
HAAT: 0.0 m
Peak ERP: 3.00 kW
Antenna: Omnidirectional
Elev Pattn: Generic
Elec Tilt: 0.50

43.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	3.00 kW	177.6 m	58.3 km
45.0	3.00	181.2	58.6
90.0	3.00	181.0	58.6
135.0	3.00	172.9	58.0
180.0	3.00	164.5	57.2

225.0	3.00	166.2	57.3
270.0	3.00	167.3	57.4
315.0	3.00	171.3	57.8

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 173 m

Distance to Canadian border: 1460.5 km

Distance to Mexican border: 1591.0 km

Conditions at FCC monitoring station: Vero Beach FL
Bearing: 158.2 degrees Distance: 116.7 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 306.6 degrees Distance: 2548.0 km

Study cell size: 2.00 km
Profile point spacing: 1.00 km

Maximum new IX to full-service and Class A: 0.50%
Maximum new IX to LPTV: 2.00%

No IX check failures found.